



## DAILY GEOLOGICAL REPORT

DGR 5

<b>Date:</b>	18 December 2008	<b>Licence / State:</b>	VIC/P46
<b>Report Period:</b>	06:00 – 06:00 hrs AEDT	<b>Rig:</b>	Seadrill: West Triton
<b>Days From Spud:</b>	4	<b>RT - SEAFLOOR:</b>	76.7m
<b>Current Hole Size:</b>	444mm (17.5")	<b>WATER DEPTH</b>	38.7 m MSL
		<b>RT:</b>	38.0 m MSL
<b>Depth @ 06:00 Hrs EST:</b>	999m MDRT	<b>PTD:</b>	4000.0 m MDRT
	999m TVDRT	<b>Spud Date:</b>	14 December 2008
	-961m SS		
<b>24 Hr Progress:</b>	0m		
<b>06:00 – 06:00 EST</b>			
<b>Current Operation:</b>	Heading up to cement 340mm (13 3/8") Casing.		
<b>AFE Cost (Drill)\$</b>	<b>(C&amp;S)\$</b>	<b>Cost To Date:</b>	
	<b>(P&amp;A)\$</b>		

Casing Data	Hole Size	Depth	Casing Size	Wt:	Type	Shoe Depth	LOT
1	914 mm (36")	119m	762mm (30")		X52	116m	
2	444mm (17.5")	999m	340mm(13.375")	68lb/ft	NT80HE	987m	

Mud Data	Type:	Wt:	Visc:	WL:	PH:	KCl:	Cl -:	PV/YP:	Rmf
15:00	SW & Prehydrated Bentonite	8.8	488					10/76	-

Bit Data	No.	Make	Type	Size	Hours	Meters	Condition	
Last	2	Hughes	Rock	MXL-T00	444mm (17.5")	21	880	2 2 LT G E I LN TD

Surveys	Type	MD (m)	Inclination	Azimuth (T)	TVD (m)	Offset (m)	Direction (T)
28	MWD	990.9	2.28	226.4	990.77	4.98	228.55

Fluid Loss	Interval MDRT	Total or Rate (bbl)	Remarks
Mud	999	Up to 160bbl/hr	Topping hole with SW line

## OPERATIONS SUMMARY

### Previous 24 hrs Operations Summary at 06:00 hrs AEDT

Pumped and swept hole with 100 bbl HI-VIS mud while working drill string. Attempted to down link with Schlumberger MWD tools - no success. Circulated and conditioned hole. POOH from 999m to 31m checking each connection for washout. Continued to POOH with 17 1/2" BHA. Inspected BHA: One jet nozzle missing from bit. Sonic shield missing from MWD tool. Made up cement head and racked in derrick. Rigged up to run 13 3/8" casing. Ran 340mm (13 3/8") casing as per program. Picked up and made up 18 3/4" wellhead assembly. String taking 30k weight at 969m. Made up top drive, broke circulation and washed down casing to shoe setting depth at 987m, Picked up and made up cement stand head and lines.

### Anticipated operations:

Cement 340mm (13.375") casing. N/U and pressure test BOPs. P/U 311mm (12.25") drilling assembly.

### FORMATION TOPS

FORMATION	ACTUAL TOP		High / Low	High / Low	PROGNOSED TOP	
	(MDmRT)	(mSS)	Prognosis	Offset	(MDmRT)	(mSS)
Heytesbury Group	76.7	-38.7	0m		76.7	-38.7
Nirranda Group	492	-454	+49m		443.0	-405.0
Dilwyn Formation	576	-538	+38m		538.0	-500.0
Pember Mudstone	963	-925	+15m		948.0	-910.0
Pebble Point Formation					1028.0	-990.0
Timboon Sandstone					1048.0	-1010.0
Paarratte Formation					1223.0	-1185.0
Skull Creek Mudstone					1703.0	-1665.0
Nullawarre Greensand					1823.0	-1785.0
Belfast C & B Mudstone					1878.0	-1840.0
Belfast A Mudstone					2163.0	-2125.0
Flaxman Formation					2938.0	-2900.0
Waarre Formation Unit C					3228.0	-3190.0
Waarre Formation Unit B					3533.0	-3495.0
Waarre Formation Unit A					3588.0	-3550.0
Eumeralla Formation					3988.0	-3950.0
Total Depth					4000.0	-3962.0

### HYDROCARBON SHOW SUMMARY

INTERVAL	LITHOLOGY & HYDROCARBON FLUORESCENCE	GAS
999m	No new formation drilled.	

GAS	MD (m)	Peak	Background	Chromatograph
Trip Gas				
Connection Gas				

### GEOLOGICAL SUMMARY

INTERVAL ROP (m/hr)	LITHOLOGY	GAS (Peak / BG) Composition %
999m	No new formation drilled.	

#### REMARKS:

DGR 5 links to DDR 8

#### LWD Offsets from Bit:

Sonic transmitter cover left in hole from Run1. Sonic memory data recovered and currently at Processing Centre.

**Geologists:** Roman Leslie / Greg Clota